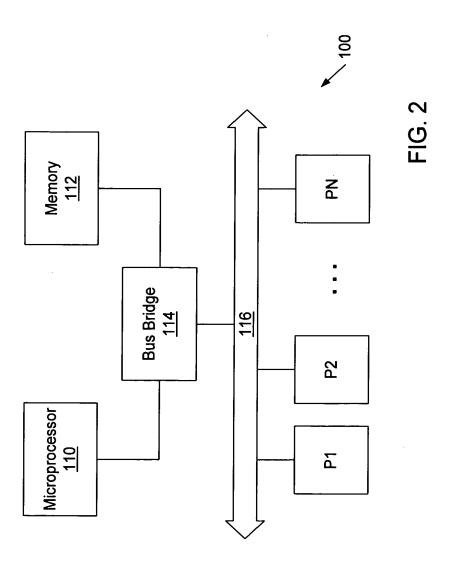
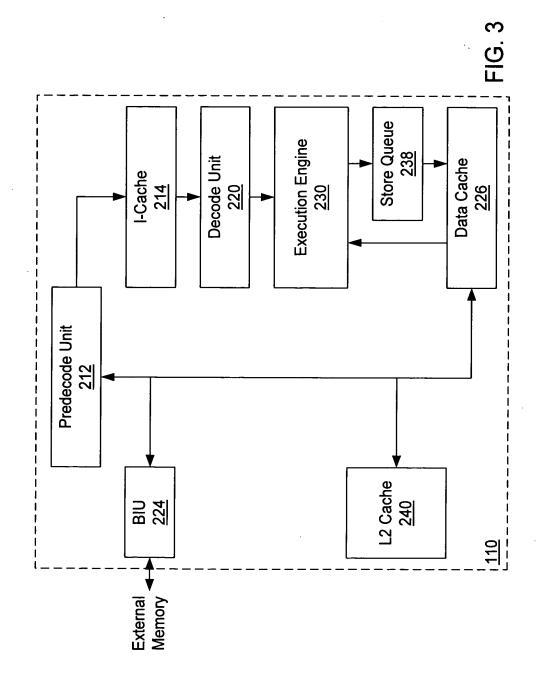
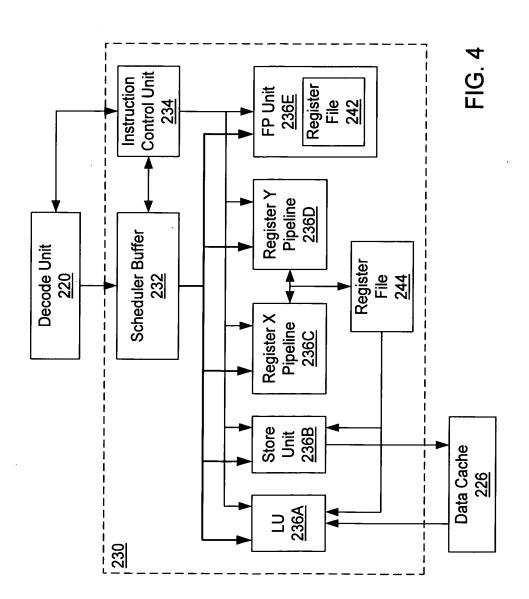
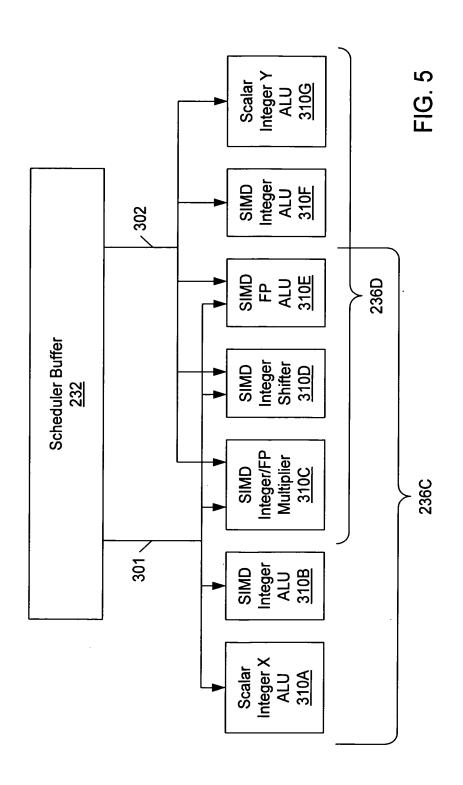
	Base 10 Binary	Binary
Scalar Multiplication		
Scalar Multiplicand	24	0001 1000 (8-Bit)
Scalar Multiplier	200	1100 1000 (8-Bit)
Scalar Final Product	4800	0001 0010 1100 0000 (16-Bit)
Vector Multiplication		
Vector Multiplicand	(12, 5)	(12, 5) 1100 0101 (4 Bits Per Component)
Vector Multiplier	(7, 4)	(7, 4) 0111 0100 (4 Bits Per Component)
Vector Final Product	(84, 20)	(84, 20) 0101 0100 0001 0100 (8 Bits Per Component)

FIG. 1

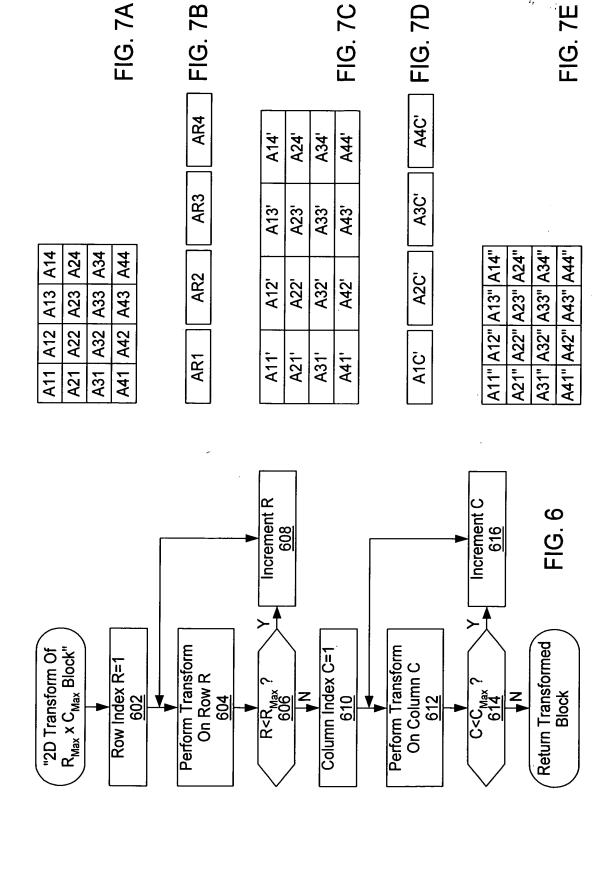








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A11	A12	A13	A14
A21	A22	A23	A24
A31	A32	A33	A34
A41	A42	A43	A44

FIG. 8A

AR1	AR2	AR3	AR4

FIG. 8B

A11'	A12'	A13'	A14'
A21'	A22'	A23'	A24'
A31'	A32'	A33'	A34'
A41'	A42'	A43'	A44'

FIG. 8C

A1C'	A2C'	A3C'	A4C'

FIG. 8D

A11"	A12"	A13"	A14"
A21"	A22"	A23"	A24"
A31"	A32"	A33"	A34"
A41"	A42"	A43"	A44"

FIG. 8E

314	324	334	344	
A11 A12 A13 A14 B11 B12 B13 B14	A21 A22 A23 A24 B21 B22 B23 B24	A31 A32 A33 A34 B31 B32 B33 B34	A41 A42 A43 A44 B41 B42 B43 B44	
B12	B22	B32	B42	
B 11	B21	B31	B41	
A14	A24	A34	A44	
A13	A23	A33	A43	
A12	A22	A32	A42	
A11	A21	A31	A41	
			FIG. 9A	

4			<u> </u>	
BR4	B14'	B24'	B34'	B44'
AR4	A14'	A24'	A34'	A44'
BR3	B13'	B23'	B33'	B43'
AR3	A13'	A23'	A33'	A43'
BR2	B12'	B22'	B32'	B42'
AR2	A12'	A22'	A32'	A42'
BR1	B11'	B21'	B31'	B41'
AR1	A11'	A21'	A31'	A41'
9B				<u>၁</u>
FIG. 9B				FIG. 9C

	B4C'	
	A4C'	
	B3C'	
	A3C'	
	B2C'	
	A2C'	
	B1C'	
	A1C'	
(FIG. 9D	

	<u>"</u>	. ₇	4
Ŕ	BŽ	B	B 7
B13"	B23"	B33,,	B43"
B12"	B22"	B32"	B42"
B11"	B21"	B31"	B41"
A14"	A21" A22" A23" A24" B21" B22" B23" B24"	A31" A32" A33" A34" B31" B32" B33" B34"	A41" A42" A43" A44" B41" B42" B43" B44"
A13"	A23"	A33"	A43"
A12"	A22"	A32"	A42"
A11" A12" A13" A14" B11" B12" B13" B14"	A21"	A31"	A41"

FIG. 9E